

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060424\
 Data File : BM045825.D
 Acq On : 04 Jun 2024 20:32
 Operator : MA/JU
 Sample : P2589-14
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

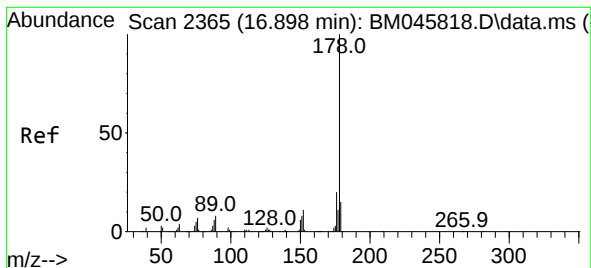
Instrument :
 BNA_M
 ClientSampleId :
 BH6C8

Quant Time: Jun 04 22:56:02 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM053124.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 31 13:01:11 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.463	152	316048	20.000	ng/u1	0.00
20) Naphthalene-d8	10.234	136	1290200	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.110	164	734010	20.000	ng/u1	0.00
64) Phenanthrene-d10	16.857	188	1260496	20.000	ng/u1	0.00
79) Chrysene-d12	21.062	240	862776	20.000	ng/u1	0.00
88) Perylene-d12	23.786	264	951759	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.052	96	23123	2.837	ng/uL	0.00
4) Pyridine-d5	3.481	84	150902	7.189	ng/u1	0.01
7) Phenol-d5	6.722	99	511075	19.035	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.834	67	381763	19.801	ng/u1	0.00
11) 2-Chlorophenol-d4	7.028	132	401159	20.002	ng/u1	0.00
15) 4-Methylphenol-d8	8.234	113	329105	16.224	ng/u1	0.00
21) Nitrobenzene-d5	8.634	128	203593	20.182	ng/u1	0.00
24) 2-Nitrophenol-d4	9.339	143	206356	20.212	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	9.892	165	389951	20.368	ng/u1	0.00
31) 4-Chloroaniline-d4	10.428	131	92613	3.495	ng/u1	0.00
46) Dimethylphthalate-d6	13.557	166	1109629	21.836	ng/u1	0.00
49) Acenaphthylene-d8	13.798	160	1227433	20.801	ng/u1	0.00
54) 4-Nitrophenol-d4	14.404	143	119448	10.892	ng/u1	0.00
60) Fluorene-d10	15.110	176	918837	21.195	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.245	200	97443	15.139	ng/u1	0.00
73) Anthracene-d10	16.951	188	1160844	21.185	ng/u1	0.00
81) Pyrene-d10	19.251	212	1251138	23.318	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.603	264	973877	21.893	ng/u1	0.00
Target Compounds						Qvalue
72) Phenanthrene	16.898	178	675282	10.167	ng/u1	99
74) Anthracene	16.986	178	96781	1.459	ng/u1	97
77) Carbazole	17.274	167	89856	1.587	ng/u1	96
80) Fluoranthene	18.915	202	1485888	22.844	ng/u1	98
82) Pyrene	19.280	202	1318036	19.722	ng/u1	99
83) Butylbenzylphthalate	20.203	149	68137	2.502	ng/u1#	73
85) Benzo(a)anthracene	21.045	228	532738	8.943	ng/u1	96
86) Bis(2-ethylhexyl)phtha...	20.998	149	278351	6.879	ng/u1	98
87) Chrysene	21.103	228	659962	11.975	ng/u1	96
90) Benzo(b)fluoranthene	22.939	252	881948	15.079	ng/u1#	94
91) Benzo(k)fluoranthene	22.986	252	279989	4.901	ng/u1#	89
93) Benzo(a)pyrene	23.656	252	491117	9.555	ng/u1#	92
94) Indeno(1,2,3-cd)pyrene	26.785	276	418331	7.453	ng/u1	99
95) Dibenzo(a,h)anthracene	26.827	278	103130	2.323	ng/u1#	88
96) Benzo(g,h,i)perylene	27.721	276	374317	7.572	ng/u1	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#72

Phenanthrene

Concen: 10.167 ng/ul

RT: 16.898 min Scan# 2365

Delta R.T. 0.000 min

Lab File: BM045825.D

Acq: 04 Jun 2024 20:32

Instrument :

BNA_M

ClientSampleId :

BH6C8

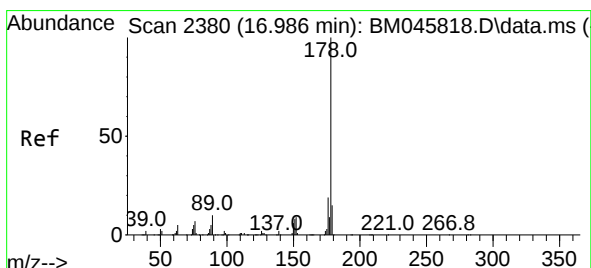
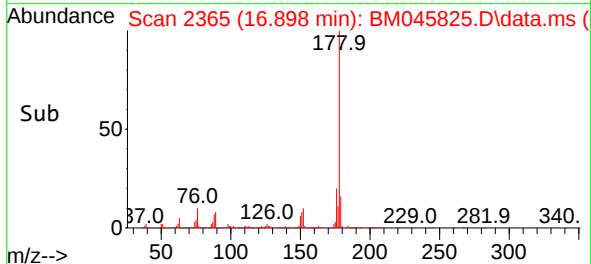
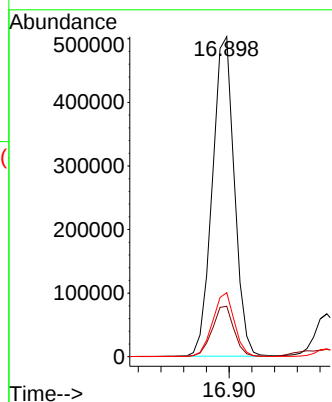
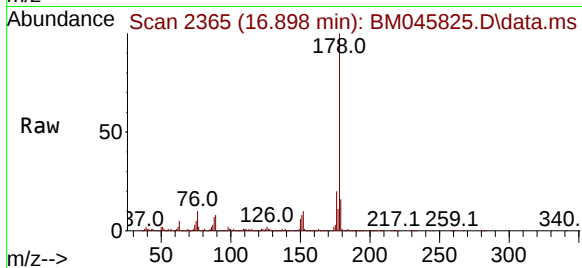
Tgt Ion:178 Resp: 675282

Ion Ratio Lower Upper

178 100

179 15.8 12.4 18.6

176 20.0 15.3 22.9



#74

Anthracene

Concen: 1.459 ng/ul

RT: 16.986 min Scan# 2380

Delta R.T. -0.006 min

Lab File: BM045825.D

Acq: 04 Jun 2024 20:32

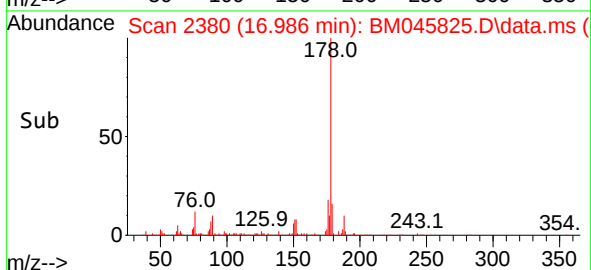
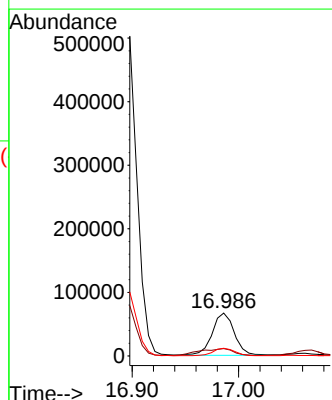
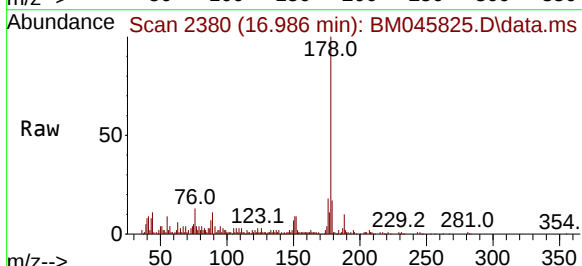
Tgt Ion:178 Resp: 96781

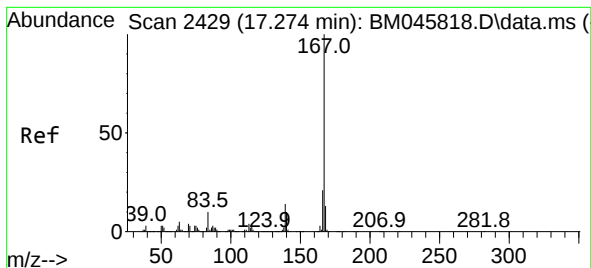
Ion Ratio Lower Upper

178 100

179 17.0 12.0 18.0

176 18.1 15.0 22.6





#77

Carbazole

Concen: 1.587 ng/ul

RT: 17.274 min Scan# 24

Delta R.T. -0.006 min

Lab File: BM045825.D

Acq: 04 Jun 2024 20:32

Instrument :

BNA_M

ClientSampleId :

BH6C8

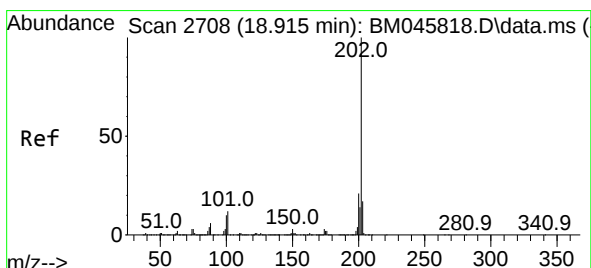
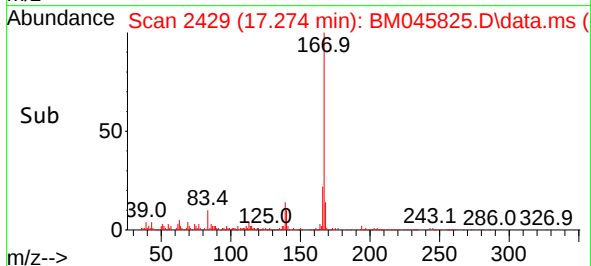
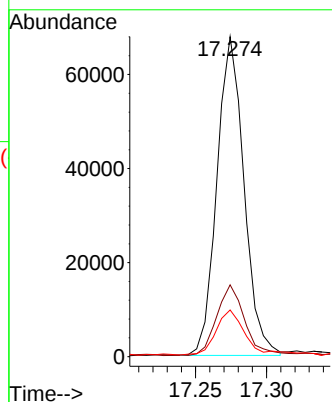
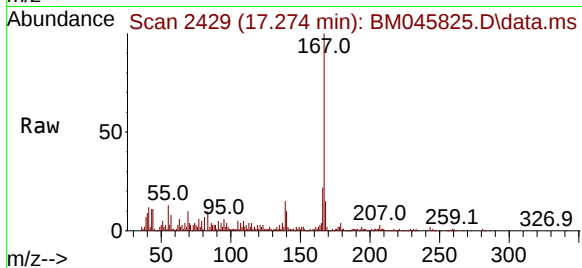
Tgt Ion:167 Resp: 89856

Ion Ratio Lower Upper

167 100

166 22.4 16.6 24.8

139 14.6 10.6 16.0



#80

Fluoranthene

Concen: 22.844 ng/ul

RT: 18.915 min Scan# 2708

Delta R.T. -0.006 min

Lab File: BM045825.D

Acq: 04 Jun 2024 20:32

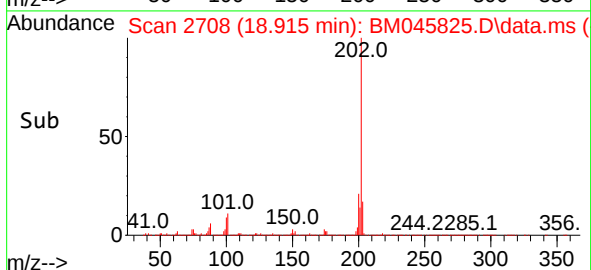
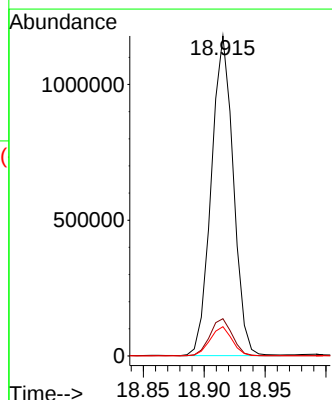
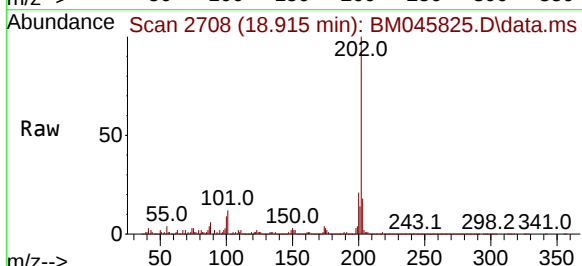
Tgt Ion:202 Resp: 1485888

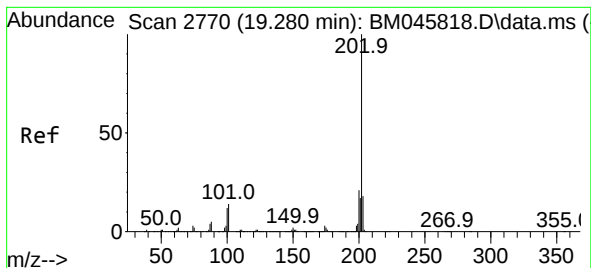
Ion Ratio Lower Upper

202 100

101 11.6 8.9 13.3

100 9.2 6.6 10.0





#82

Pyrene

Concen: 19.722 ng/ul

RT: 19.280 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM045825.D

Acq: 04 Jun 2024 20:32

Instrument :

BNA_M

ClientSampleId :

BH6C8

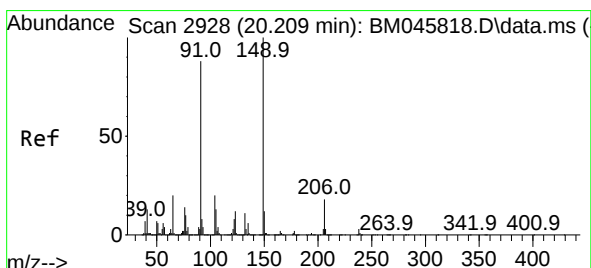
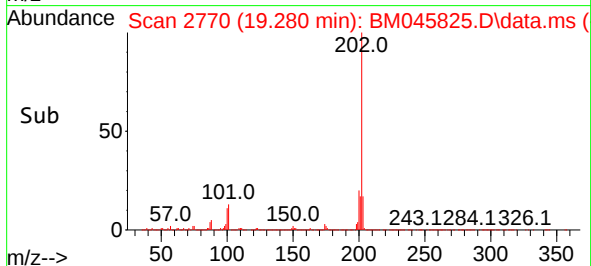
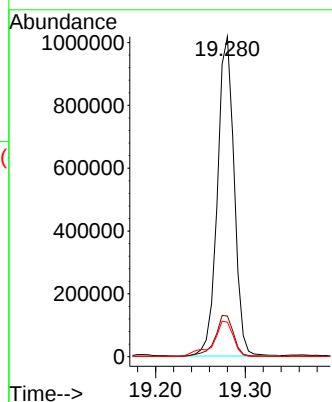
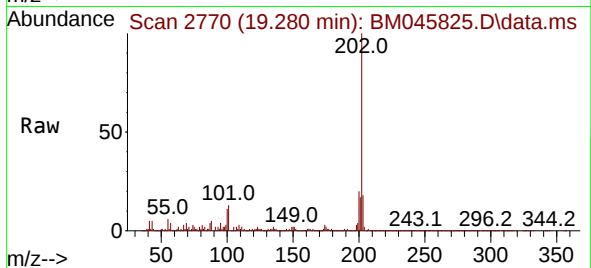
Tgt Ion:202 Resp: 1318036

Ion Ratio Lower Upper

202 100

101 12.7 10.5 15.7

100 10.8 8.6 12.8



#83

Butylbenzylphthalate

Concen: 2.502 ng/ul

RT: 20.203 min Scan# 2927

Delta R.T. -0.012 min

Lab File: BM045825.D

Acq: 04 Jun 2024 20:32

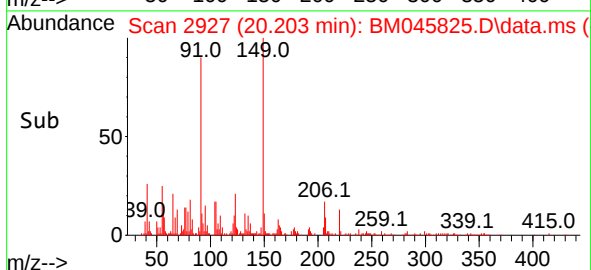
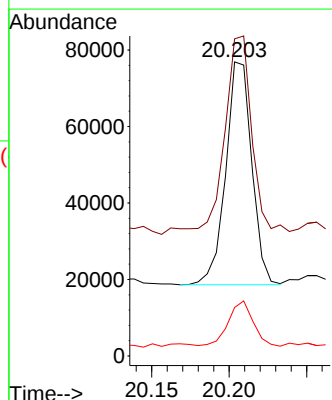
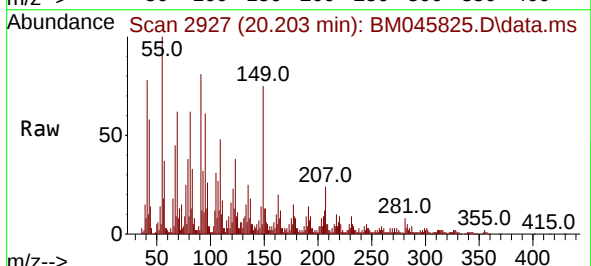
Tgt Ion:149 Resp: 68137

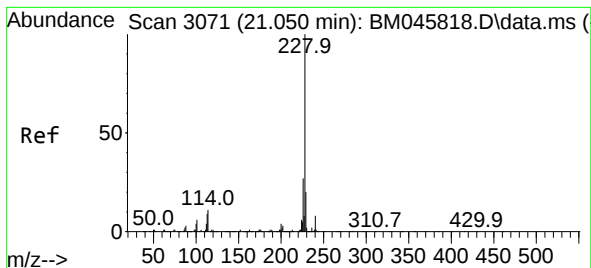
Ion Ratio Lower Upper

149 100

91 107.8 63.7 95.5#

206 16.5 15.9 23.9





#85

Benzo(a)anthracene

Concen: 8.943 ng/ul

RT: 21.045 min Scan# 3071

Delta R.T. -0.006 min

Lab File: BM045825.D

Acq: 04 Jun 2024 20:32

Instrument :

BNA_M

ClientSampleId :

BH6C8

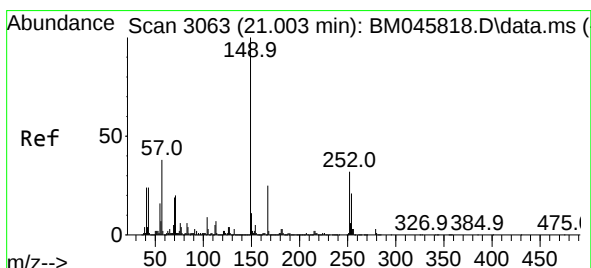
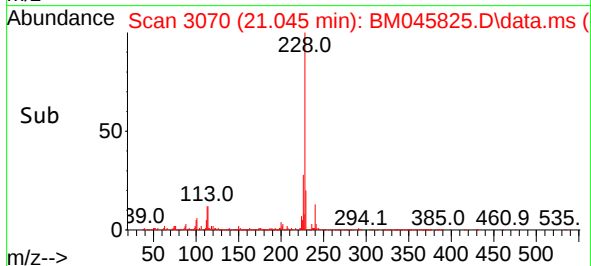
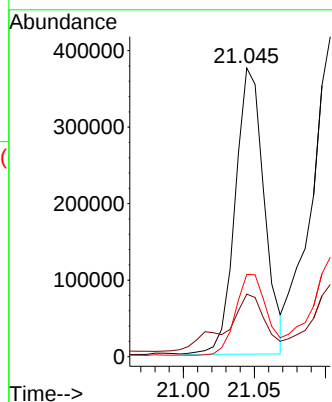
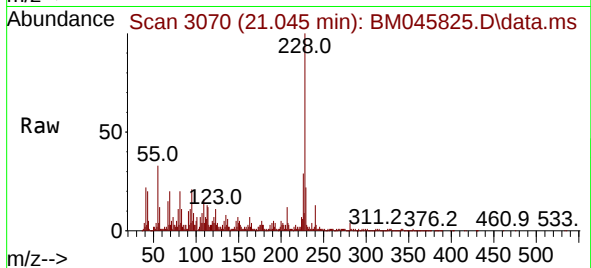
Tgt Ion:228 Resp: 532738

Ion Ratio Lower Upper

228 100

229 21.7 15.8 23.8

226 28.5 21.4 32.0



#86

Bis(2-ethylhexyl)phthalate

Concen: 6.879 ng/ul

RT: 20.998 min Scan# 3062

Delta R.T. -0.012 min

Lab File: BM045825.D

Acq: 04 Jun 2024 20:32

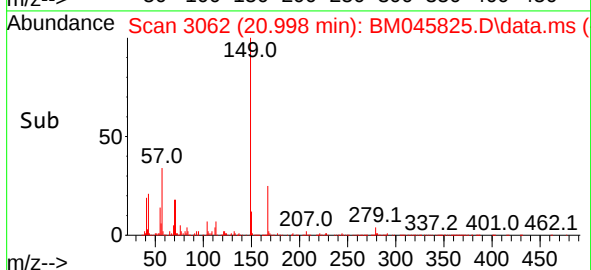
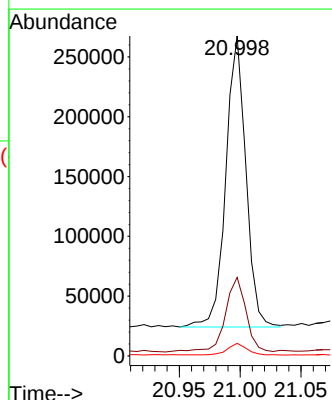
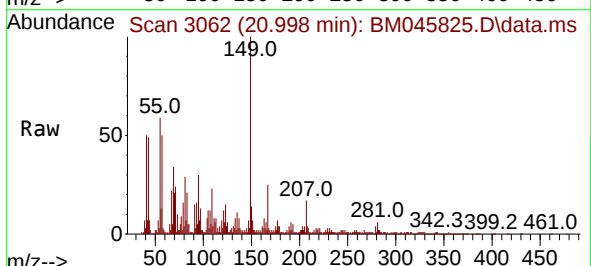
Tgt Ion:149 Resp: 278351

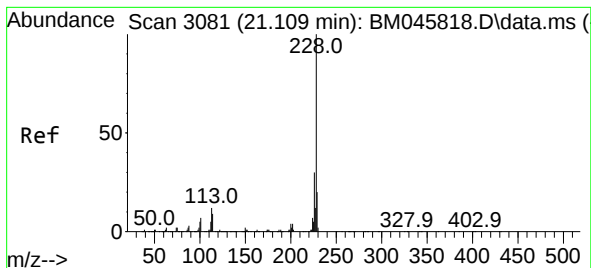
Ion Ratio Lower Upper

149 100

167 24.6 20.4 30.6

279 3.9 3.1 4.7





#87

Chrysene

Concen: 11.975 ng/ul

RT: 21.103 min Scan# 3080

Delta R.T. -0.006 min

Lab File: BM045825.D

Acq: 04 Jun 2024 20:32

Instrument :

BNA_M

ClientSampleId :

BH6C8

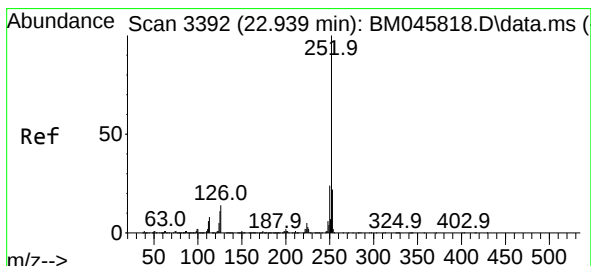
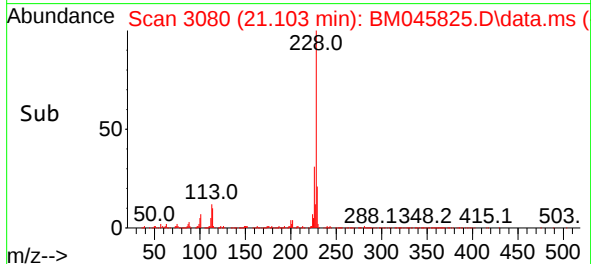
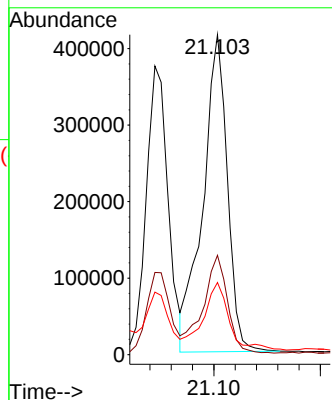
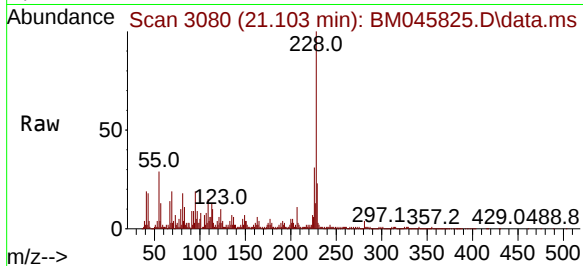
Tgt Ion:228 Resp: 659962

Ion Ratio Lower Upper

228 100

226 31.0 24.2 36.2

229 22.6 15.2 22.8



#90

Benzo(b)fluoranthene

Concen: 15.079 ng/ul

RT: 22.939 min Scan# 3392

Delta R.T. 0.000 min

Lab File: BM045825.D

Acq: 04 Jun 2024 20:32

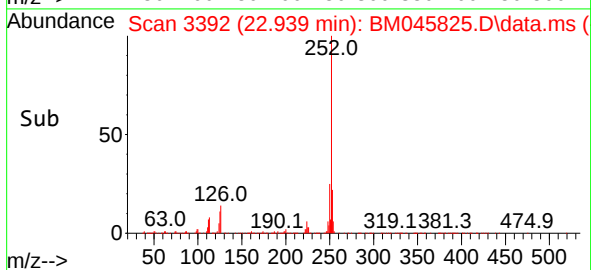
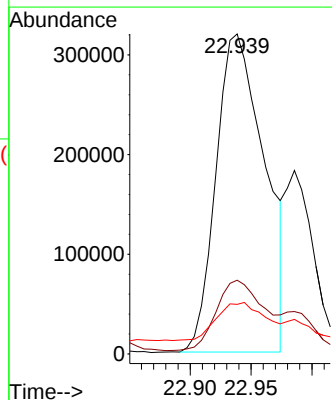
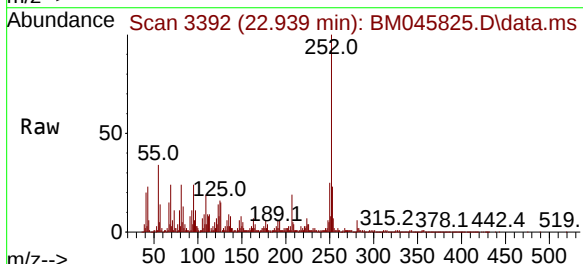
Tgt Ion:252 Resp: 881948

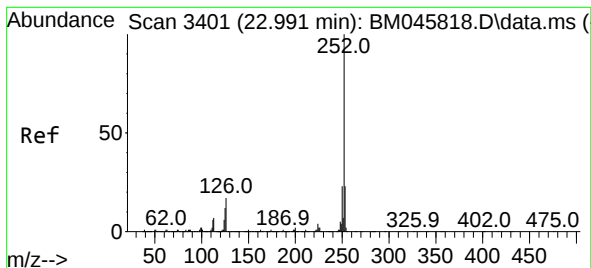
Ion Ratio Lower Upper

252 100

253 23.1 17.8 26.6

125 15.5 8.4 12.6#





#91

Benzo(k)fluoranthene

Concen: 4.901 ng/ul

RT: 22.986 min Scan# 34

Delta R.T. -0.012 min

Lab File: BM045825.D

Acq: 04 Jun 2024 20:32

Instrument :

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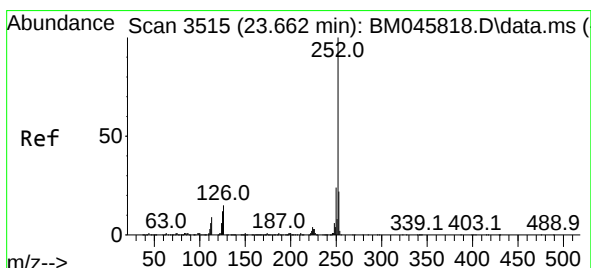
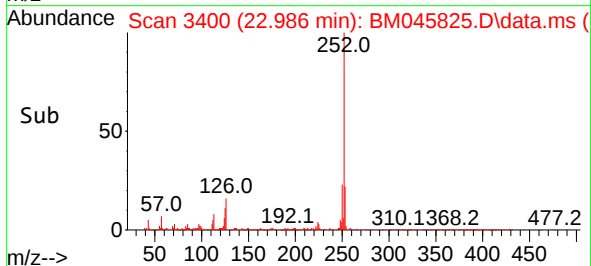
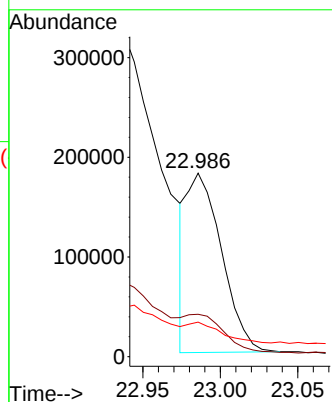
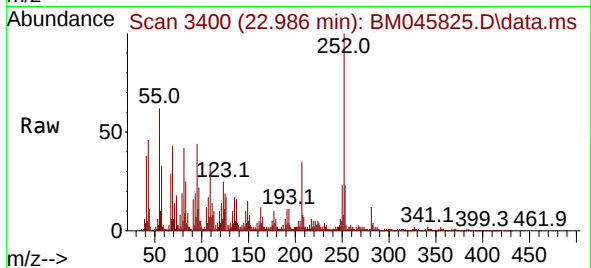
Tgt Ion:252 Resp: 279989

Ion Ratio Lower Upper

252 100

253 23.1 16.8 25.2

125 18.8 8.2 12.4#



#93

Benzo(a)pyrene

Concen: 9.555 ng/ul

RT: 23.656 min Scan# 3514

Delta R.T. -0.006 min

Lab File: BM045825.D

Acq: 04 Jun 2024 20:32

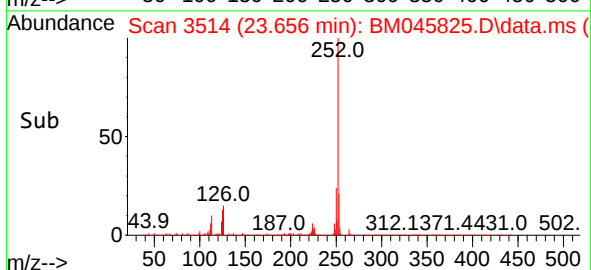
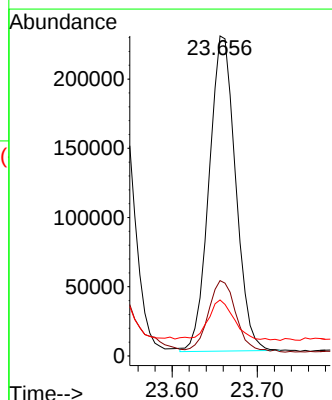
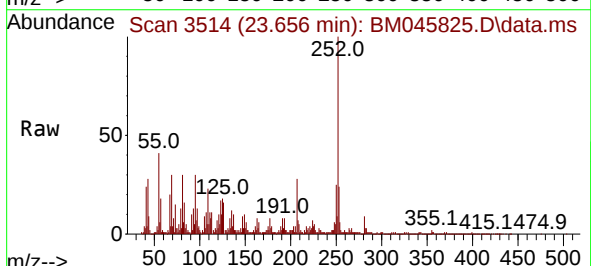
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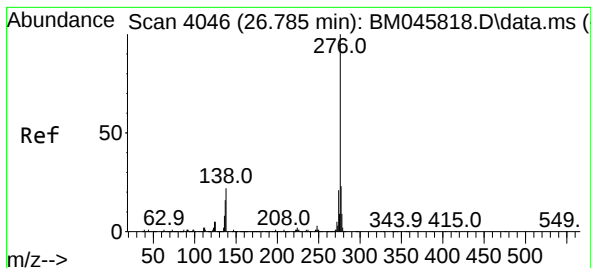
Ion Ratio Lower Upper

252 100

253 23.5 17.5 26.3

125 17.5 9.3 13.9#





#94

Indeno(1,2,3-cd)pyrene

Concen: 7.453 ng/ul

RT: 26.785 min Scan# 4046

Delta R.T. -0.006 min

Lab File: BM045825.D

Acq: 04 Jun 2024 20:32

Instrument :

BNA_M

ClientSampleId :

BH6C8

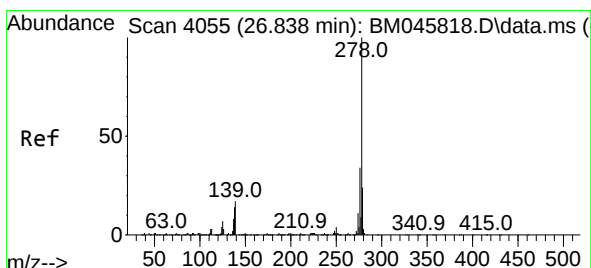
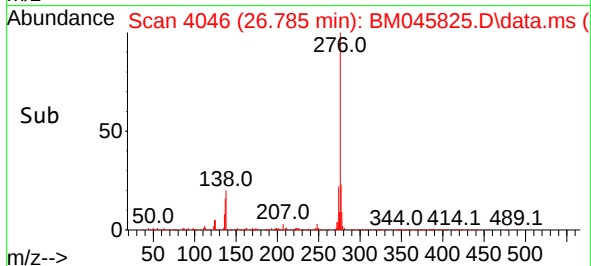
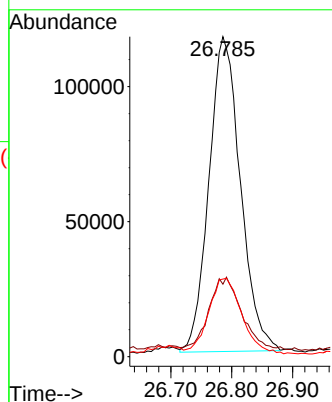
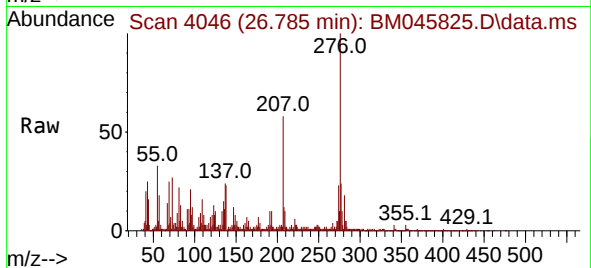
Tgt Ion:276 Resp: 418331

Ion Ratio Lower Upper

276 100

138 22.7 17.9 26.9

277 24.3 19.0 28.6



#95

Dibenzo(a,h)anthracene

Concen: 2.323 ng/ul

RT: 26.827 min Scan# 4053

Delta R.T. -0.012 min

Lab File: BM045825.D

Acq: 04 Jun 2024 20:32

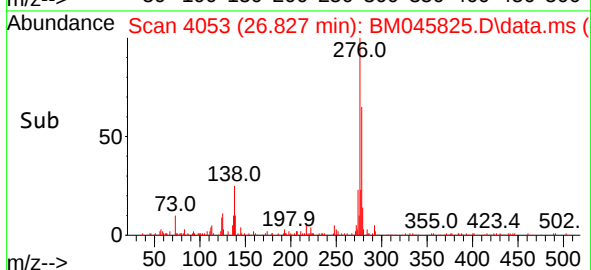
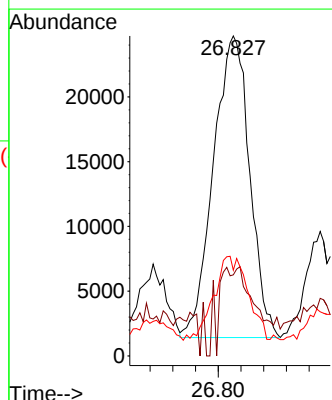
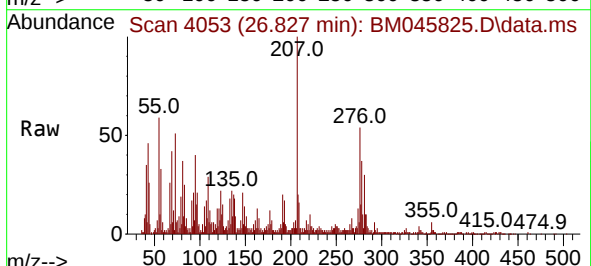
Tgt Ion:278 Resp: 103130

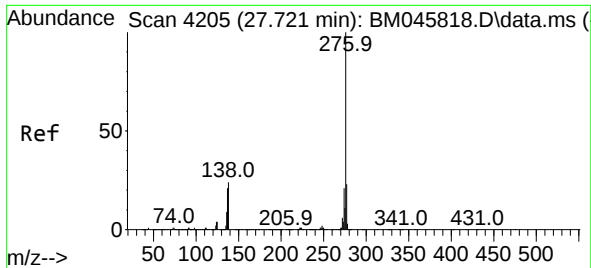
Ion Ratio Lower Upper

278 100

139 25.4 13.2 19.8#

279 26.8 19.1 28.7





#96
Benzo(g,h,i)perylene
Concen: 7.572 ng/ul
RT: 27.721 min Scan# 41
Delta R.T. -0.006 min
Lab File: BM045825.D
Acq: 04 Jun 2024 20:32

Instrument :
BNA_M
ClientSampleId :
BH6C8

Tgt Ion:276 Resp: 374317
Ion Ratio Lower Upper
276 100
138 24.0 18.6 27.8
277 23.7 18.7 28.1

